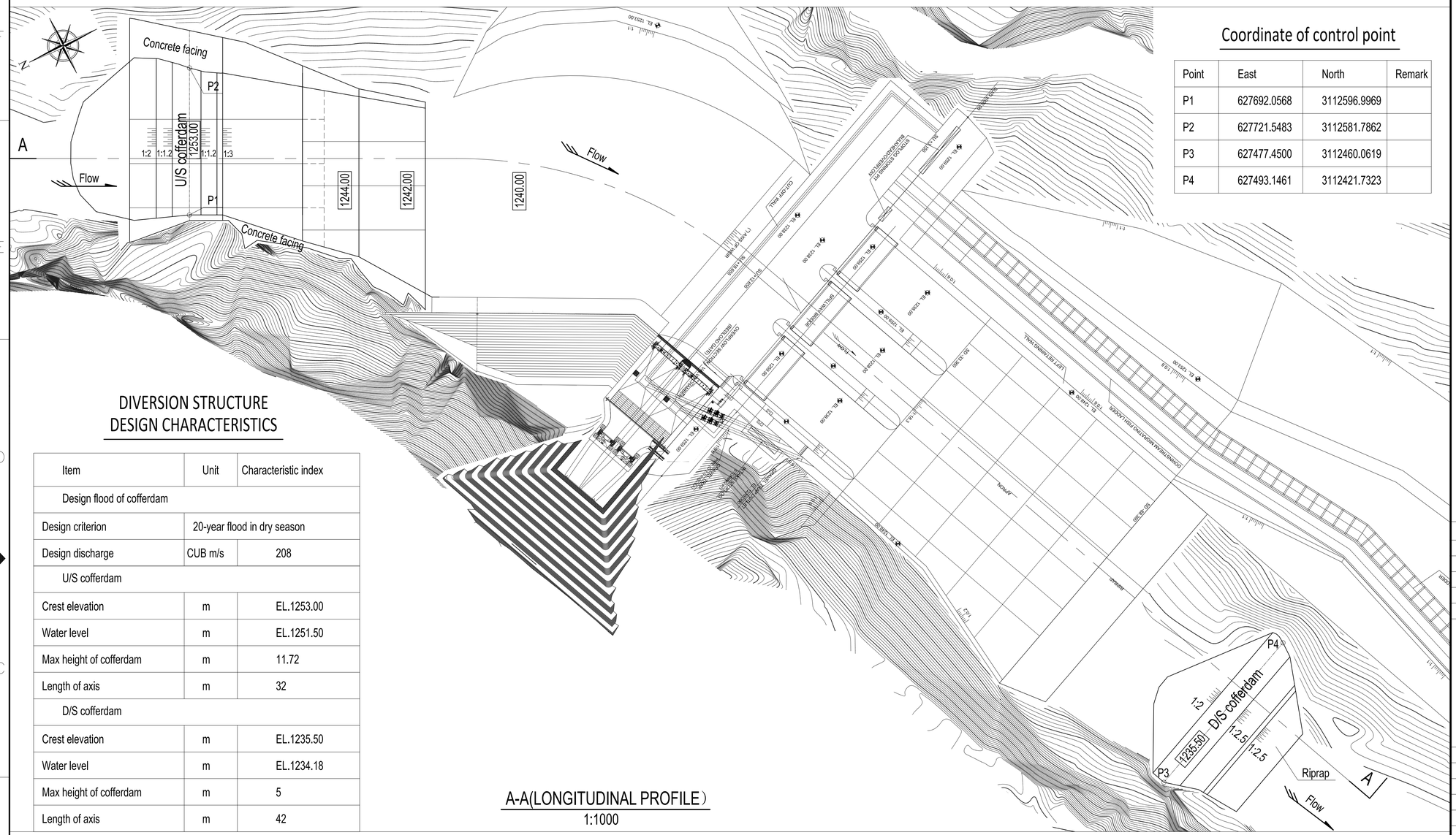
GENERAL PLAN OF U/S & D/S COFFERDAM

1:500



Coordinate of control point

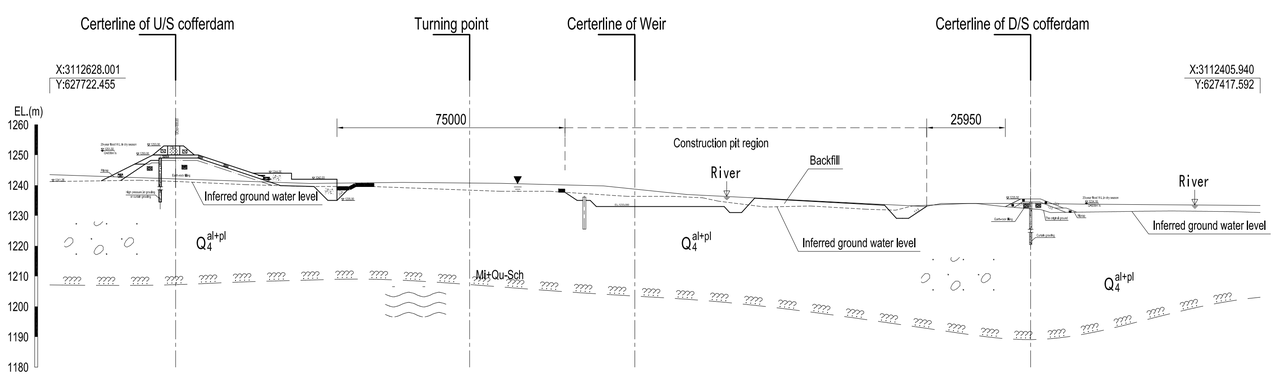
Point	East	North	Remark
P1	627692.0568	3112596.9969	
P2	627721.5483	3112581.7862	
P3	627477.4500	3112460.0619	
P4	627493.1461	3112421.7323	

DIVERSION STRUCTURE DESIGN CHARACTERISTICS

Item	Unit	Characteristic index
Design flood of cofferdam		
Design criterion	20-year flood in dry season	
Design discharge	CUB m/s	208
U/S cofferdam		
Crest elevation	m	EL.1253.00
Water level	m	EL.1251.50
Max height of cofferdam	m	11.72
Length of axis	m	32
D/S cofferdam		
Crest elevation	m	EL.1235.50
Water level	m	EL.1234.18
Max height of cofferdam	m	5
Length of axis	m	42

A-A(LONGITUDINAL PROFILE)

1:1000



Legend:

- Mi+Qu.Sch — Interbedded Mica Schist and Quartz-Schist
- Inferred boundry between bedrock and overburden
- Inferred ground water level

NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. Temporary roads in the site shall lead to the height of EL.1252m at the top of the closure berm,and various construction guarantee measures shall be set up to ensure the smooth completion of closure.
3. The thickness of concrete cover is not less than 50mm.
4. Symbol description:
   R denotes round bar,yield strength of round bar is 280MPa.
   D denotes deformed bar,the yield strength of deformed bar is 500MPa.
5. Strength specification of concrete & shotcrete:
   (1)Concrete class E:Cylinder specified compressive strength is 24 MPa at 28 days.
   (2)Concrete class C:Cylinder specified compressive strength is 12 MPa at 28 days.
   (3)Shotcrete:Cylinder specified compressive strength is 21 MPa at 28 days.
6. Scale:

1:500 0 5 10 15 20 25m

1:1000 0 10 20 30 40 50m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

For information

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
A	29.JUL.2021	FOR APPROVAL	Han Y.H.	Dong Z.Z.	Luo.L. Han J.B.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE JADE CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

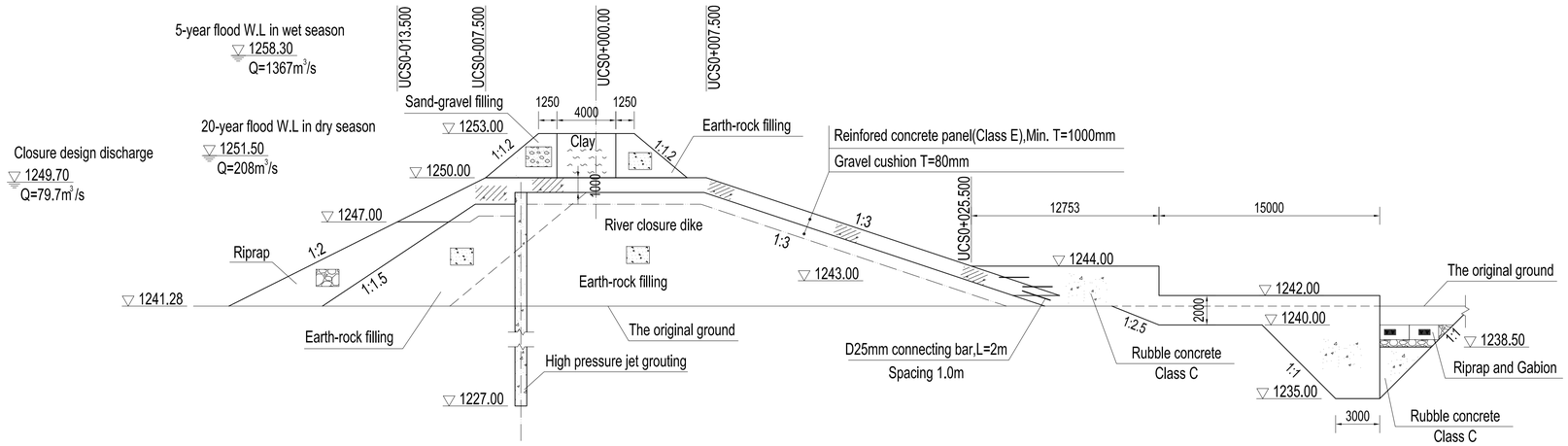
DRAWING TITLE

EMBANKMENT DRAWING OF U/S COFFERDAM(1/3)

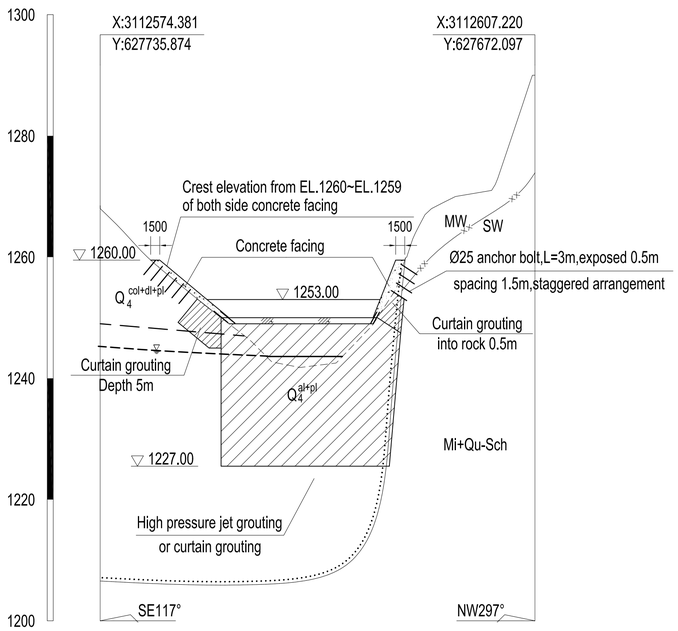
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-010-CVL-DG-41001-1	1 OF 3	A

A1 (594 x 841 MM)

U/S COFFERDAM SECTION
1:200



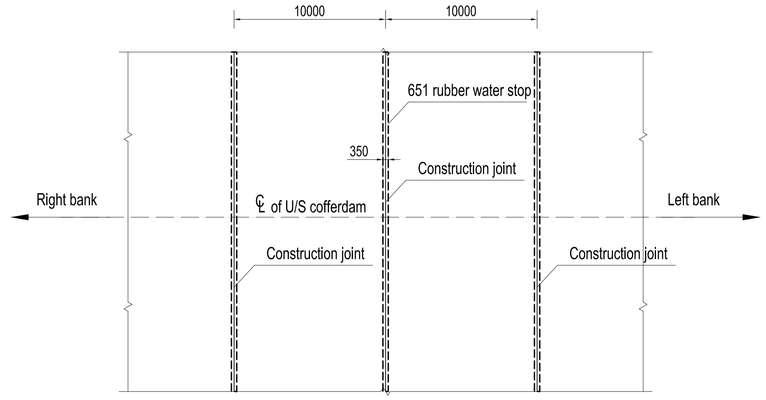
LONGITUDINAL PROFILE OF U/S COFFERDAM
1:500



Legend:

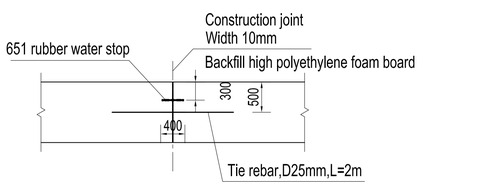
- Inferred lithology boundry
- Estimated ground water level
- Inferred boundry between moderately weathered and slight weathered
- Inferred boundry between bedrock and overburden

WATER STOP LAYOUT PLAN BETWEEN CONSTRUCTION JOINTS
1:200

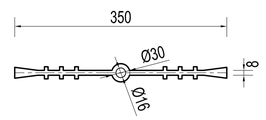


NOTE FOR CONSTRUCTION JOINTS:
It is recommended that the split of a plate be approximately 10m in length. And try to keep the plates equal in length and width.
The construction joints in the figure are only suggested values.
The specific joints should be adjusted appropriately according to the site construction conditions.

DETAILED OF CONSTRUCTION JOINTS
1:50



DETAIL OF RUBBER WATERSTOP
1:5



NOTE

1.All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2.For other notes,please refer to 1/3 of this set of drawings.
3.Scale:

1:500	0	5	10	15	20	25m
1:200	0	2	4	6	8	10m
1:50	0	0.5	1	1.5	2	2.5m
1:5	0	0.05	0.1	0.15	0.2	0.25m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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OWNER'S ENGINEER
TRACTEBEL ENGIE
jade CONSULT

CONTRACTOR
DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE
EMBANKMENT DRAWING OF U/S COFFERDAM(2/3)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-010-CVL-DG-41001-2	2 OF 3	A

A1 (594 x 841 MM)